

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L11 | 4 | ("2648433").URPN. | USPAT | OR | ON | 2005/08/30 12:42 |
| L12 | 7 | ("3114510" "3783252" "4246576" "4441102" "4670161" "5132024").PN. OR ("5248442").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 14:21 |
| L13 | 26 | (hydrocyclone cyclone) and ((rop\$3 flow underflow discharge) same ((sens\$3 detect\$3 analyz\$3) near3 vibrat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 15:38 |
| L14 | 4894 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733) or (210/85) or (210/512.1) or (210/788) or (73/587) or (73/589) or (73/660) or (73/662)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/30 14:24 |
| L15 | 55 | (hydrocyclone cyclone) and ((rop\$3 flow underflow discharge) same ((sens\$3 detect\$3 analyz\$3) near3 (ultrasonic vibrat\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 15:42 |
| L16 | 2 | L14 and L15 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 15:40 |
| L17 | 8 | ("3114510" "4246576" "4441102" "4587024" "4905897" "5026486").PN. OR ("5132024").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 15:41 |
| L18 | 29 | L15 not L13 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 15:42 |
| S1 | 6 | ("3114510" "4246576" "5248442").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/05 18:09 |
| S2 | 7 | ("3114510" "3783252" "4246576" "4441102" "4670161" "5132024").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:14 |
| S3 | 4315 | (hydrocyclone cyclone) and ((rop\$3 flow underflow discharge) same (sens\$3 detect\$3 analyz\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/30 14:23 |
| S4 | 541 | (hydrocyclone cyclone) and ((rop\$3 flow underflow discharge) same ((sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:28 |

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| S5 | 70 | (hydrocyclone cyclone) and ((rop\$3 flow underflow discharge) same ((sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))).bsum. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:59 |
| S6 | 18 | S5 and ("209"/\$.ccls. "210"/\$.ccls. "73"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:30 |
| S7 | 10 | ("3398888" "3577341" "3647067" "4229298" "4652254" "5044092" "5145256" "5252202").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:23 |
| S8 | 0 | (hydrocyclone cyclone) and (rop\$3 same ((sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:29 |
| S9 | 8000 | (rop\$3 same (sens\$3 detect\$3 analyz\$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:29 |
| S10 | 426 | (rop\$3 same ((sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:30 |
| S11 | 51 | (rop\$3 same ((sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))).bsum. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:30 |
| S12 | 14 | S11 and ("209"/\$.ccls. "210"/\$.ccls. "73"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 19:01 |
| S13 | 96 | (hydrocyclone cyclone) same rop\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:39 |
| S14 | 29 | S13 and ("209"/\$.ccls. "210"/\$.ccls. "73"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:43 |
| S15 | 0 | ("5248442").URPN. | USPAT | OR | ON | 2004/11/05 18:45 |
| S16 | 9 | ("3114510").URPN. | USPAT | OR | ON | 2004/11/05 18:51 |
| S17 | 10 | ("3094289" "3114510" "3145935" "3352499" "3358938").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 18:52 |
| S18 | 9 | ("3114510").URPN. | USPAT | OR | ON | 2004/11/05 18:53 |
| S19 | 7 | ("3145935").URPN. | USPAT | OR | ON | 2004/11/05 18:54 |
| S20 | 4 | ("2648433").URPN. | USPAT | OR | ON | 2004/11/05 18:56 |
| S21 | 4 | ("2648433").URPN. | USPAT | OR | ON | 2004/11/05 18:58 |
| S22 | 2699 | ((rop\$3 cylinder tube sausage) near3 (fluid slurry flow underflow discharge)) same ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic))) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 19:02 |

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| S23 | 730 | S22 and ("209"/\$.ccls. "210"/\$.ccls. "73"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 19:02 |
| S24 | 557 | ((rop\$3 cylinder tube sausage) near3 (fluid slurry flow underflow discharge)) same ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic)).bsum. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 15:38 |
| S25 | 301 | S24 and ("209"/\$.ccls. "210"/\$.ccls. "73"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/05 19:20 |
| S26 | 9 | ((("2800016") or ("2867119") or ("2763790"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/05 19:21 |
| S27 | 43 | ((rop\$3 cylinder column tube sausage) near3 (fluid slurry flow underflow discharge)) same ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic noise acoustic sound))) and (hyrdocyclone cyclone ((ball grind\$3) near2 mill)) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:26 |
| S28 | 8 | ((rop\$3 cylinder column tube sausage) near3 (fluid slurry flow underflow discharge)) same ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic noise acoustic sound))) and (hyrdocyclone cyclone ((ball grind\$3) near2 mill)).bsum. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/08 13:27 |

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|--|-----|--|------------------------------|----|----|------------------|
| S29 | 203 | ("3096434" "3404264" "3468164" "3590370" "3688190" "3691842" "3701280" "3849637" "3855858" "3952759" "3973184" "4058975" "4099413" "4102199" "4122719" "4249164" "4250490" "4279013" "4337516" "4399824" "4417312" "4517468" "4530234" "4571689" "4635214" "4642782" "4644479" "4649515" "4668473" "4707796" "4720806" "4736367" "4736763" "4777585" "4818994" "4831564" "4841286" "4853693" "4873655" "4907167" "4924418" "4934196" "4939753" "4964125" "4988990" "4992965" "5005142" "5043862" "5053815" "5067099" "5081598" "5089979" "5089984" "5098197" "5099436" "5103409" "5111531" "5121467" "5122794" "5122976" "5130936" "5134574" "5137370" "5142612" "5143452" "5148378" "5167009" "5175678" "5193143" "5197114" "5197328" "5212765" "5214582" "5224203" "5228780" "5235527" "5265031" "5265222" "5269311" "5274572" "5282131" "5282261" "5293585" "5303181" "5305230" "5311421" "5317520" "5327357" "5333240" "5347843" "5349541" "5357449" "5361628" "5365423" "5365787" "5367612" "5384699" "5386373" "5388465" "5394341" "5394543" "5404064" "5408406" "5408586" "5414645" "5419197" "5430642" "5434774" "5436705" "5440478" "5442639" "5467355" "5469070" "5469156" "5469736" "5489949" "5481199" "5483387" "5485753" "5486006" | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 15:57 |
| Search History 8/30/05 3:56:56 PM C:\Documents and Settings\Rodriguez\My Documents\EAST\Workspaces\10603994RopingDetector4HydroCyclone.wsp C:\Documents and Settings\Rodriguez\My Documents\EAST\Workspaces\10603994RopingDetector4HydroCyclone.wsp | | | | | | |

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|-----|------|--|---|----|-----|------------------|
| S30 | 1 | ("2971896").URPN. | USPAT | OR | ON | 2004/11/06 16:52 |
| S31 | 5 | ("2235928").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/06 16:52 |
| S32 | 6 | ("2235928").URPN. | USPAT | OR | ON | 2004/11/06 16:53 |
| S33 | 4 | ("3784115").URPN. | USPAT | OR | ON | 2004/11/06 16:56 |
| S34 | 3 | ("2760184").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/06 16:56 |
| S35 | 9 | ("2760184").URPN. | USPAT | OR | ON | 2004/11/06 18:22 |
| S36 | 2223 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733) or (209/590) or (73/597)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/06 18:24 |
| S37 | 1187 | ((209/590) or (73/597)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/06 18:24 |
| S38 | 1037 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:29 |
| S39 | 1 | S37 and S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/06 18:24 |
| S40 | 6 | ("4222859" "4576286" "4602716" "5152604" "5351832" "5458245").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:25 |
| S41 | 215 | ((209/726) or (209/727)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/06 18:26 |
| S42 | 754 | S36 and ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic noise acoustic sound)) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:27 |
| S43 | 57 | S38 and ((prob\$3 sens\$3 detect\$3 analyz\$3) and (vibrat\$3 ultrasonic noise acoustic sound)) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:27 |

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| S44 | 57 | S43 not S27 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:27 |
| S45 | 0 | ("5248442").URPN. | USPAT | OR | ON | 2004/11/06 18:29 |
| S46 | 7 | ("3114510" "3783252" "4246576" "4441102" "4670161" "5132024").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:29 |
| S47 | 21 | ("2659881" "2798215" "2967297" "3284788" "3445834" "3493951" "3557616" "3686926" "3735201" "3849723" "3878103" "4103292" "4193356" "4246576").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/06 18:30 |
| S48 | 4 | ("4441102").URPN. | USPAT | OR | ON | 2004/11/06 18:32 |
| S49 | 9 | ("3114510").URPN. | USPAT | OR | ON | 2004/11/06 18:33 |
| S50 | 625 | ((73/586) or (73/587)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:28 |
| S51 | 8427 | ((rop\$3 cylinder column tube sausage) near3 (fluid slurry flow underflow discharge)) same ((prob\$3 sens\$3 detect\$3 analyz\$3 test\$3 measur\$3 determin\$3) and (vibrat\$3 ultrasonic noise reverberat\$3 acoustic sound))) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/08 13:40 |
| S52 | 3763 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733) or (210/85) or (210/512.1) or (210/788) or (73/586) or (73/587)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:40 |
| S53 | 4729 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733) or (210/85) or (210/512.1) or (210/788) or (73/587) or (73/589) or (73/660) or (73/662)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:43 |
| S54 | 1591 | ((73/587) or (73/589) or (73/660) or (73/662)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:43 |
| S55 | 21 | S51 and S53 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/08 13:41 |

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|-----|------|---|---|----|-----|------------------|
| S56 | 630 | ((73/587) or (73/589)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:42 |
| S57 | 3138 | ((209/715) or (209/720) or (209/725) or (209/154) or (209/726) or (209/727) or (209/733) or (210/85) or (210/512.1) or (210/788)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/08 13:43 |
| S58 | 0 | S54 and S57 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/08 13:43 |